



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/889,866
Source: PU/09
Date Processed by STIC: 1/24/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
 - 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
- FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
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Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/889,866

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,866

DATE: 01/24/2002

TIME: 12:33:02

Input Set : A:\Mwh0008.app

Output Set: N:\CRF3\01242002\I889866.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Denton, R. Rex
 4 Kliem, Stefanie E.
 5 Nandabalan, Krishnan
 6 Stephens, J. Claiborne
 8 <120> TITLE OF INVENTION: DRUG TARGET ISOGENES: POLYMORPHISMS IN THE
 9 IMMUNOGLOBULIN E RECEPTOR BETA CHAIN GENE
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 12 USS09889866
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 15 <141> CURRENT FILING DATE: 2001-07-20
 17 <150> PRIOR APPLICATION NUMBER: 60/150,423
 18 <151> PRIOR FILING DATE: 1999-08-24
 20 <150> PRIOR APPLICATION NUMBER: PCT/US00/22175
 21 <151> PRIOR FILING DATE: 2000-08-11
 23 <160> NUMBER OF SEQ ID NOS: 145
 25 <170> SOFTWARE: PatentIn Ver. 2.1

move this onto the <130> line; otherwise, it's considered an error

ERRORED SEQUENCES

27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 11298
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Homo sapiens
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pp 2-3, 5

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DATE: 01/24/2002

TIME: 12:33:02

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2966

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2990

see
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3665

3498

3621

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RAW SEQUENCE LISTING

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DATE: 01/24/2002

TIME: 12:33:02

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Item 9

4293

Item 9

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,866

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187 aaaaattctg ttataaaaag aaggaaaaga tagtttatgt ttttagccta agtataagag 9300
188 tcctacagat ggactgaaaa aaatcagtc gagagtatta gtcacaatta atgaaaata 9360
189 tacattttat gtattgagga tgccaagatt aaaaggtgac aggtagatgt taatttccct 9420
190 agattgtgaa agtgatcacg acaatcacac aacaaataa taagtactt ggtatgcttt 9480
191 atttaattgt agggcctgag gttttccatt ctcatTTTTT taaaatacaa ttttgtttct 9540
192 ccaaatttga cagcagaata aaaaccctac ctttctactg tgtatcatgc taagctgcat 9600

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,866

DATE: 01/24/2002

TIME: 12:33:02

Input Set : A:\Mwh0008.app

Output Set: N:\CRF3\01242002\I889866.raw

```

193 ctctactctt gatcatctgt aggtattaat cacatcactt ccatggcatg gatgttcaca 9660
194 tacagactct taaccctggt ttaccaggac ctctaggagt ggatccaatc tatatcttta 9720
195 cagttgtata gtatatgata tctcttttat ttactcaaat ttatattttc atcattgact 9780
196 acatatttct tatacacaac acacaattta tgaatttttt ctcaagatca ttctgagagt 9840
197 tgccccaccc tacctgcctt ttatagtacy cccacctcag gcagacacag agcacaatgc 9900
198 tggggttctc ttcacactat cactgcccc aattgtcttt ctaaatttca acttcaatgt 9960
199 catcttctcc atgaagacca ctgaatgaac accttttcat ccagccttaa tttcttgctc 10020
200 cataactact ctatcccacg atgcagtatt gtatcattaa ttattagtgt gcttgtgacc 10080
201 tccttatgta ttctcaatta cctgtatttg tgcaataaat tggaataatg taacttgatt 10140
202 tcttatctgt gtttgtgttg gcatgcaaga tttaggtaact tatcaagata atggggaatt 10200
203 aaggcatcaa taaatgatg ccaaagacca agagcagttt ctgaagtcct ccttttcatc 10260
204 agctctttat caaacagaac actctataaa caaccatag ccagaaaaca ggatgtagga 10320
205 acaatcacca gcacactcta taaacaaccc atagccagaa aacagaatgt aaggacaatc 10380
206 accagccatc ttttgtcaat aattgatgga atagagttga aagggaactgg agcatgagtc 10440
207 atatttgacc agtcagtcct cactcttatt tacttgctat gtaaacttga gaaagctttt 10500
208 ttctctttgt gaacctcagg ttttacatct gaaaatgaga aatttggaac aaaagattcc 10560
209 taactggtct ttctgttccc atattctgtg atttttcaat atttaggatt tttggaatc 10620
210 acaattactt agtttgtggt tgagatagca acacgaatca gaactatttg gtggacatat 10680
E--> 211 tttcaaagga gtagctctcc actttgggta aagaagtga gaggtcgtg gtggctcagc 10740
212 cctgtaatcc cagcacttta gggaggccaa ggcgggtgga tcacgaggtc aggagatcga 10800
213 gaccatcctg gctaacacgg tgaaaccccg tctctactaa aaaatacaaa aaattagcca 10860
214 ggcgtggtgg cgggcgcctg tagtcccacg tactcgggag gctgaggcag gagaatggca 10920
215 tgaaccaggg aggcggagct tgccgtgagc cgagatagcg cactgcagt cctcctggg 10980
216 caaaagagca agactgcgc tcaaaaaaaaa aaaaaaaaaa aaaaaagaa gtgtgtggag 11040
217 tagcaggaca cctgcaacaa taatattttt ctaaatccct ctgaaaaatg ctaatcaaag 11100
218 ggtttttttc ctaaaaattg tcttagaaat aaaatttccc ctttgggaga ccgaggctgg 11160
219 cagatcacga ggtcaggaga tagagaccac ggtgaaaccc cgtctctact aaaaatacta 11220
E--> 220 aaaattagcc ggggtggt ggtgggtaca cctgtagtcc cagctacttg gaggctgagg 11280
221 ctggagaatc acgtgaac 11298

```

10723

item 9

item 9

11235

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/889,866

DATE: 01/24/2002

TIME: 12:33:03

Input Set : A:\Mwh0008.app

Output Set: N:\CRF3\01242002\I889866.raw

L:12 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:12 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:12 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:12 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:12 M:200 E: Mandatory Header Field missing, <400> is required.
L:14 M:270 C: Current Application Number differs, Replaced Current Application Number
L:82 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1
M:340 Repeated in SeqNo=1